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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: WITTICH KAULE ET AL.

SERIAL NO.: 09/147,398

GROUP ART UNIT: 3722

FILED: December 17, 1998

EXAMINER: E. Cadugan

FOR: METHOD FOR REPRODUCING
EMBOSSING PLATES

ATTY. REFERENCE: KAUL3002/JEK/BEU

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to Rule 37 C.F.R. §1.51(b), §1.56, §1.97, and §1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §120 and identified below, is not submitted herewith.

CONCISE STATEMENT OF RELEVANCY

(Non-English Language Documents Only)

The German language publication by Lang GmbH & Co. describes a graphical design program for engravers and milling machines of Lang Co. On page 3, the differences and the advantages of a graphical design program are explained as compared to a text oriented programming system. On page 56, there is explained the program mode "Schraffieren und Abräumen" ("hatching and sweeping"). The hatching angle, track spacing and sweeping distance have to be specified in order to calculate the billing tracks. In the description of the program mode AUTOKORR on page 57, there is explained the fully automated production of a press plate. The table specifies operation parameters which are presumably used for the calculation of correction values. On top of page 58 is shown a sketch for machining a

workpiece. On page 66 is explained the sweeping method. One can choose between line by line sweeping and equidistance sweeping. Line by line sweeping optimizes the milling path while avoiding unnecessary lifting motions.

The German Handbook "Heidenhain Klartext-Dialog" of the company Heidenhain pertains to numerical control systems. On pages 1 and 2 of the introduction of Chapter 1.1 there is presented three numerical control systems and their technical data as well as their components like display programming and graphics. A tool track is shown in Fig. 8.15 on page 8-18 of Chapter "Ausräumen" ("material removal"). On pages 8-19, there is given an example of a cycle in a machining program.

CERTIFICATION

This Information Disclosure Statement is concurrent with a Request for Continued Examination in the above application.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 02-0200. A duplicate copy is enclosed for use by the Finance Office.

Respectfully submitted,



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